

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/34911

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07K 7/00, 7/08, 9/00; A61K 38/10, 38/16; C12N 5/00, 15/12, 15/64; C07H 21/00
US CL : 514/2, 12, 13, 14, 44; 530/324, 326; 435/320.1, 325; 536/22.1, 23.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 514/2, 12, 13, 14, 44; 530/324, 326; 435/320.1, 325; 536/22.1, 23.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	EP 1 358 888 A1 (BALS et al) 05 November 2003 (05.11.2003), see entire document.	1-68
X	ZANETTI et al. Cathelicidin Peptides as Candidates for Novel Class of Antimicrobials. Current Pharmaceutical Design. 2002, Vol. 8, No. 9, pages 779-793, especially pages 782-785 and 787-788.	1-8, 19-26, 28-31, 33-36, 40,
Y	SMEIANOV et al. Activity of cecropin P1 and FA-LL-37 against urogenital microflora. Microbes and Infections. 2000, Vol. 2, pages 773-777.	19-36, 40-44, 50-62
Y	JOHANSSON et al. Conformation-dependent Antibacterial Activity of the Naturally Occurring Human Peptide LL-37. Journal of Biological Chemistry. 6 February 1998, Vol. 273, No. 6, pages 3718-3724.	19-36, 40-44, 50-62
X		45-46, 48
X	US 2003/0022829 A1 (MAURY et al) 30 January 2003 (30.01.2003), see entire document.	1, 10-17
Y	US 4,482,680 (SHELDON et al) 13 November 1984 (13.11.1984), see column 7 and 10.	19-36, 40-44, 50-62

☐ Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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document member of the same patent family

Date of the actual completion of the international search

15 March 2005 (15.03.2005)

Name and mailing address of the ISA/US

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Commissioner for Patents

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20 MAY 2005

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Continuation of B. FIELDS SEARCHED Item 3:
STN Search/EAST search:
LL-37, cathelicidin